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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/575,172	05/23/2000	Paul Lapstun	NPX008US	9245

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AUSTRALIA

EXAMINER

ABDULSELAM, ABBAS L

ART UNIT PAPER NUMBER

2674

DATE MAILED: 04/09/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.
09/575,172

Applicant(s)
Paul Lapstun & Kia Silverbrook

Examiner
Abbas Abdulsalam

Group Art Unit
2674



☒ Responsive to communication(s) filed on _____

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

☒ Claim(s) 1-56 is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

☐ Claim(s) _____ is/are allowed.

☒ Claim(s) 1-56 is/are rejected.

☐ Claim(s) _____ is/are objected to.

☐ Claims _____ are subject to restriction or election requirement.

Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been
☐ received.

☐ received in Application No. (Series Code/Serial Number) _____

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

☒ Notice of References Cited, PTO-892

☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 2, 4

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

Art Unit: 2674

DETAILED ACTION

1. Certified copies of foreign documents have been received

Claim Rejections 35 U.S.C. 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-56 are rejected under 35 U.S.C. 102(b) as being anticipated by Ward et al.

(USPN 5491495).

Regarding claims 1, 9, 29 and 37, Ward teaches a computer system with which a user interacts by use of a writing stylus or other pointing device. Ward teaches a notebook computer (10) including digitizing tablet and display (12), stylus (14), and part of tablet area (16a, 16b, 16c, 16d) which is responsive to stylus touch. See col. 4, lines 16-29 and Fig 1. In addition, Ward teaches an interface (36), ink plane buffer (42), mask plane buffer (44), and interface processor (32) with its associated software. Ward also teaches program code initialization diagnostics and data transfer in connection with a software downloaded into interface memory. See col. 5, lines 49-56, col. 4, lines 47-56 and Fig. 2. Furthermore, Ward teaches a multi-code sequence and its corresponding software in connection with a movement of data. See col. 19, lines 33-37. Ward teaches a recognition algorithm which recognizes data including description of strokes, their position within the character box, and identification of the character set. See col. 19, lines 55-62.

Art Unit: 2674

Moreover, Ward teaches a software running as a simulated device program (220) which processes data from the tablet (12b) and generates data in the form of keystrokes. See Fig 11 and col. 30, lines 26-44. Therefore, an identical method of user interaction with a computer software is described as taught by Ward.

Regarding claims 2 and 30, Ward teaches a movement of the stylus while touching the tablet within the motion area and a result generating a movement of data.

Regarding claims 3 and 31, Ward teaches application programs suited for stylus base input.

Regarding claims 4 and 32, see Fig 2.

Regarding claims 5-6, 26-27, 33-34 and 54-55, Ward teaches multi code sequence as well as a low level software, a part of an interface processor. Ward teaches transporting of data as keystroke data, mouse data, or tablet data depending on the identification of the data.

Regarding claims 7-8 28, 35-36 and 56, Ward teaches stylus position in terms of conversion from absolute motion to relative motion.

Regarding claims, 10, 22-23, 50-51 and 38, Ward teaches the result recognition process which can be displayed in the area where the characters are.

Regarding claims 11 and 39, Ward teaches about a service in terms of various speeds of the interface processor, and also teaches "PROX" which is used to identify the stylus within the range of tablet.

Art Unit: 2674

Regarding claims 12-15 and 40-43, Ward teaches movement of the stylus with respect to tablet & motion areas. Ward also teaches digitizing tablet area with respect to (X, Y) locations and cumulative moving of data as a single one inch movement. In addition, Ward teaches the computation of distance with respect to timing.

Regarding claims 16 and 44, Ward teaches writing recognition input device handling multiple lines.

Regarding claims 17 and 45, Ward teaches the stylus which start on the object, may or may not be trackable in terms of its the position.

Regarding claims 18 and 46, Ward teaches tracking of the motion of the stylus.

Regarding claims 19-21 and 47-49, Ward teaches the use of a variety of stylus.

Regarding claims 24-25 and 52-53, Ward teaches the use of memory to be used by interface processor for programs and data storage. Ward also teaches the four memory maps showing how the ink and the mask data is stored.

Conclusion

3. The prior art made of record and not relied upon is considered to applicant's disclosure.

The following arts are cited for further reference.

U.S. Pat No. 5,491,495 to Preston et al.

U.S. Pat No. 5,822,230 to KiKinis et al.

U.S. Pat No. 6,043,818 to Nakano et al.

U.S. Pat No. 6,275,852 to Filepp et al.

Art Unit: 2674

4. Any inquiry concerning this communication or earlier communication from the examiner should be directed to **Abbas Abdulsalam** whose telephone number is **(703) 305-8591**. The examiner can normally be reached on Monday through Friday (9:00-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Richard Hjerpe**, can be reached at **(703) 305-4709**.

Any response to this action should be mailed to:

Commissioner of patents and Trademarks

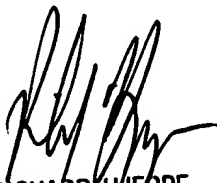
Washington, D.C. 20231

or faxed to:

(703) 872-9314

Hand delivered responses should be brought to crustal park II, Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology center 2600 customer Service office whose telephone number is (703) 306-0377.


RICHARD HJERPE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

Abbas Abdulsalam

Examiner

Art Unit 2674